United States Environmental Protection Agency
Washington, DC 20460

Interagency Agreement/ Amendment

Part 1 - General Information

1. EPA IA Identification Number	2. Funding Location by Region
DW-13-92329201 - 3	EPA R5
3. Other Agency IA ID Number (if known)	**4. Awarding Office** IASSC East
5. Type of Action Augmentation: Increase	**6. IA Specialist:** NancyT Brown 202-564-3264 brown.nancyt@epa.gov

7. Name and Address of EPA Organization
US Environmental Protection Agency
IASSC East
1200 Pennsylvania Avenue, NW Mail code 3903R
Washington, DC 20460

8. Name and Address of Other Agency
Department of Commerce-NOAA/OAR
1315 East-West Highway
Silver Spring, MD 20910

9. DUNS: 029128894	10. BETC: DISB	11. DUNS: 156140209	12. BETC: COLL

13. Project Title and Description
Extension and Outreach Support for Great Lakes Monitoring, Habitat, and Sediment Programs.

To support the Great Lakes Restoration Initiative and the Great Lakes Water Quality Agreement pursuant to Public Law 111-88. Activities in this agreement will provide the outreach expertise necessary to transfer U.S. EPA sponsored data, materials, and legacy program information to clients that can apply this knowledge to improve decision making and improve Great Lakes water quality and ecosystems.

Increase in EPA funding in the amount of $1,109,456.

14. EPA Project Officer (Name, Address, Telephone Number)
Elizabeth Murphy
77 West Jackson Blvd.
Chicago, IL 60604-3507
312-353-4227
E-Mail: murphy.elizabeth@epa.gov
FAX: 312-385-5477

15. Other Agency Project Officer (Name, Address, Telephone)
Jonathan Eigen
1315 East-West Highway
Silver Spring, MD 20910
301-734-1071
E-Mail: jonathan.eigen@nosaa.gov
FAX: 301-713-0799

16. Project Period: 09/30/2010 to 09/29/2015

17. Budget Period: 09/30/2010 to 09/29/2015

18. Scope of Work (See Attachment)
SOW remains the same.

19. Employer/Tax ID No. 520852695	20. CAGE No: 347A4	21. ALC: 68-01-0727

22. Statutory Authority for Transfer of Funds and Interagency Agreement
Department of Defense and Full-Year Continuing Appropriations Act; 2011 (PL 112-10); Public Law 111-88; Department of Interior; Environment and Related Agencies Appropriations Act 2010

23. Other Agency Type
Federal Agency

24. Revise Reimbursable Funds and Direct Fund Cites (only complete if applicable)

	Previous Funding	This Action	Amended Total
Revise Reimbursable (in-house)			0
Direct Fund Cite (contractor)		0	0
Total			0

Funds	Previous Amount	Amount This Action	Total Amount
25. EPA Amount	$1,478,998	$1,109,456	$2,588,454
26. EPA In-Kind Amount			$0
27. Other Agency Amount			$0
28. Other Agency In-Kind Amount			$0
29. Total Project Cost	$1,478,998	$1,109,456	$2,588,454

30. Fiscal Information

Treas. Symbol	DCN	FY	Appropriation	Budget Org	PRC	Object Class	Site/Project	Cost Org	Ob/De-Ob Amt
682/30108	1205HBX002	1213	B	05HJ0	202BJ7XF1	2506			162,084
682/30108	1205HBX002	1213	B	05HJ0	202BJ7XLA	2506	053304T0		136,283
682/30108	1205HBX002	1213	B	05HJ0	202BJ7XF5	2506			811,089
									1,109,456

Part II - Approved Budget

EPA IAG Identification Number: DW-13-92329201 - 3

31. Budget Categories	Itemization of All Previous Actions	Itemization of This Action	In-Kind Itemization of This Action	Itemization of Total Project Cost to Date
(a) Personnel	$674,582			$674,582
(b) Fringe Benefits	$255,938			$255,938
(c) Travel	$95,250			$95,250
(d) Equipment	$0			$0
(e) Supplies	$52,250			$52,250
(f) Procurement / Assistance	$170,454	$1,109,456		$1,279,910
(g) Construction	$0			$0
(h) Other	$96,070			$96,070
(i) Total Direct Charges	$1,344,544	$1,109,456	$0	$2,454,000
(j) Indirect Costs:	$134,454			$134,454
Charged - Amount Rate: 10% Base: $ Not Charged: Funds-Out: Not charged by Other Agency Estimate by other Agency Amount $				
(k) Total (EPA Share 100.00 %) (Other Agency Share 0.00 %)	$1,478,998	$1,109,456	$0	$2,588,454

32. How was the IDC Base calculated?

33. Is equipment authorized to be furnished by EPA or leased, purchased, or rented with EPA funds? ☐ Yes ☒ No
(Identify all equipment costing $1,000 or more)

34. Are any of these funds being used on extramural agreements? ☒ Yes ☐ No

Type of Extramural Agreement Grant

Contractor/Recipient Name (if known)	Total Extramural Amount Under This Project	Percent Funded by EPA (if known)
IL/IN SeaGrant	1279910 Total $ 1,279,910.00	100

Part III - Funding Methods and Billing Instructions

35. **(Note: EPA Agency Location Code (ALC) - 68010727)**

☒ Disbursement Agreement — Request for repayment of actual costs must be itemized on SF 1080 and submitted to the Financial Management Office, Cincinnati, OH 45268-7002:

☒ Repayment — ☒ Monthly ☐ Quarterly ☐ Upon Completion of Work

☐ Advance — Only available for use by Federal agencies on working capital fund or with appropriate justification of need for this type of payment method. Unexpended funds at completion of work will be returned to EPA. Quarterly cost reports will be forwarded to the Financial Management Center, EPA, Cincinnati, OH 45268-7002.

☐ Allocation Transfer-Out — Used to transfer obligational authority or transfer of function between Federal agencies. Must receive prior approval by the Office of Comptroller, Budget Division, Budget Formulation and Control Branch, EPA Hdqtrs. Forward appropriate reports to the Financial Reports and Analysis Branch, Financial Management Division, PM-226F, EPA, Washington, DC 20460.

36. ☐ Reimbursement Agreement ☐ Repayment ☐ Advance
☐ Allocation Transfer-In

Other Agency's Billing Address (include ALC or Station Symbol Number)	Other Agency's Billing Instructions and Frequency

Part IV - Acceptance Conditions	EPA Identification Number DW-13-92329201 - 3

37. Terms and Conditions, when included, are located at the end of the 1610-1, or as an attachment.

Part V - Offer and Acceptance

Note: A) For Fund-out actions, the agreement/amendment must be signed by the other agency official in duplicate and one original returned to the Grants and IA Management Division for Headquarters agreements or to the appropriate EPA Regional IA administration office within 3 calendar weeks after receipt or within any extension of time that may be granted by EPA. The agreement/amendment must be forwarded to the address cited in item 29 after acceptance signature.

Failure to return the properly executed document within the prescribed time may result in the withdrawal of offer by EPA. Any change to the agreement/amendment by the other agency after the document is signed by the EPA Award Official, which the Award Official determines to materially alter the agreement/amendment, shall void the agreement/amendment.

B) For Funds-In actions, the other agency will initiate the action and forward two original agreements/amendments to the appropriate EPA program office for signature. The agreements/amendments will then be forwarded to the appropriate EPA IA administration office for signature on behalf of the EPA. EPA will return one original copy after acceptance returned to the other agency after acceptance.

EPA IA Administration Office (for administrative assistance)	EPA Program Office (for technical assistance)
38. Organization/Address U.S. Environmental Protection Agency IASSC East 1200 Pennsylvania Avenue, NW Mail code 3903R Washington, DC 20460	**39. Organization/Address** US Environmental Protection Agency OARM - Office of Administration and Resources Management 77 West Jackson Blvd. Chicago, IL 60604-3507

Award Official on Behalf of the Environment Protection Agency

40. Digital signature applied by EPA Award Official | FOR Frank N. Roth - Chief Fellowship IA & SEE Branch Michelle Messick - AO delegate	Date 04/23/2012

Authorizing Official on Behalf of the Other Agency

41. Signature	Typed Name and Title Mark Brown, Chief Financial Officer OAR	Date

Conducting Extension and Outreach to Improve Environmental Conditions, Impacts, and Successes addressed by GLNPO: Great Lakes Monitoring, Remediation & Habitat Restoration, and Pollution Prevention & Toxics Reduction Programs

Revised Scope of Work (Selected Sections)

Dr. Brian K. Miller, Director Illinois-Indiana Sea Grant College Program University of Illinois

July 19, 2011

The three specialists will apply their disciplinary skills to addressing the client and program needs in the 1) coastal remediation 2) Great Lakes monitoring: environmental problems, impacts, successes program areas. The three extension professionals representing two universities from two states will be physically located at the U.S. EPA GLNPO in Chicago and work as a team to accomplish the objectives described in the next section. The distribution of these three specialists' time and skills by program area and tasks are described in **Appendix A**.

The smart objectives in the 3) pollution prevention and toxics reduction program area will be accomplished by existing Illinois-Indiana Sea Grant College program staff (communicator, educators, graphic artist, and pollution prevention program Specialist) located on the University of Illinois Champaign-Urbana campus. Some staff time necessary to accomplish the pollution prevention and toxics reduction objectives are included in this proposal while additional staff time and activities (i.e. .5 FTE pollution prevention program apecialist) are being paid by existing IISG resources. This sharing of staff time and resources for common objectives further strengthens this interagency agreement for mutual benefit.

Descriptions of the positions required to satisfy project objectives in the 1) coastal remediation, and 2) Great Lakes monitoring: environmental problems, impacts, successes program areas appear in **Appendix B**:

Position 1: Environmental Social Scientist - Univ. of Illinois
Position 2: Great Lakes Ecosystem Extension Specialist – Purdue University
Position 3: Community Outreach Specialist – Univ. of Illinois
Position 4: (Proposed -): Data to Decision Specialist – Purdue University

SCOPE OF WORK

The long-term goal of this project is to: *Provide the outreach expertise necessary to transfer U.S. EPA sponsored research and monitoring data and legacy programs to clients that can apply this knowledge to improve decision making and improve Great Lakes water quality and ecosystems.*

A yearlong needs assessment and strategic planning alignment process was completed by the Illinois-Indiana Sea Grant College Program in October of 2009. Three program areas that emerged in the IISGCP 2009-2013 strategic plan will be addressed by extension personnel

supported by this project. In addition, the three IISGCP specialists associated with the GLNPO IISGCP partnership have been working with the advisory committee (described above) and Dr. Brian Miller since January of 2005 to identify short-, mid-, and long-term SMART objectives and an associated plan of work for this project. The objectives developed and supported by the advisory committee for the 2010-2015 project period are included below.

Objectives and associated actions listed below will be refined annually through periodic meetings and regular contact with the advisory committee for this project. Specialists will work with GLNPO scientists to develop new and innovative methods to transfer monitoring and research data to end users in a way that can support policy and management decisions. This may include the development of interactive model-based decision making tools. This project satisfies one of NOAA's five cross-cutting priorities for the 21st century – integrating global environmental observations and data management. Extension personnel funded by this project are in a position to provide a link between Great Lakes monitoring data and the Great Lakes Observing System, which is a regional node of NOAA's multi-year National Integrated Ocean Observing System Initiative. Educational activities and products that are developed by this project will be coordinated with the Great Lakes shipboard and shoreline science experience for teachers project, with the NOAA Great Lakes Regional Collaboration Team, and products will be shared outside the region using existing educational portals such as the Digital Library for Earth System Education (DLESE) or Bridge (Sea Grant's Ocean Sciences Education Center).

The plan of work described in this document outlines how IISGCP extension personnel working on this project will provide service to IISGCP, GLNPO, the University of Illinois, and the Purdue University Department of Forestry and Natural Resources for the next five years (2010-2015).

The SMART objectives and implementation strategies needed to achieve impact in coastal remediation; Great Lakes monitoring: environmental problems, impacts, successes; and pollution prevention and toxics reduction are described below:

Coastal Remediation
Years of industrial activity and development have left many lakes and rivers contaminated with nitrogen, heavy metals, PCBs, and other toxic pollutants. Many rivers and streams have been dammed, channelized, or diverted to suit local needs. The result is that many aquatic ecosystems are stressed and degraded—unsafe for people and unsuitable for some wildlife. Sea Grant is working with communities to help them address local concerns and issues by conducting needs assessments, identifying possible management strategies, and developing education and outreach opportunities where applicable.

Over the next 5 year plan of work, IISGCP will undertake the following extension, outreach, and engagement activities to add benefit to GLNPO GLLA sites.

1. Provide outreach to communities on GLLA projects as they are being planned, and when underway including:
    - Facilitating stakeholder involvement to ensure the appropriate stakeholders are engaged in the decisions to apply and follow through on clean-up projects. Benefit to U.S. EPA: the individuals most able to provide meaningful input to the project are

included. Benefit to IISG: Great Lakes coastal communities have a participatory role in the fate of their communities and will take ownership and long term responsibility for managing their sites after removal. (Position 1 : Environmental Social Scientist - Univ. of Illinois)

- Supporting the GLLA program using outreach tools and techniques. The GLLA program has access to contracting support for development of products for public meetings, media events, logistical support and other public information strategies. This work is done specifically to assist and benefit U.S. EPA's mission and the goals of the GLLA to keep the public informed. In most cases, outreach efforts by IISGCP may be integrated into the schedule and steps of the GLLA project. Thus it is mutually beneficial for IISGCP to work with U.S. EPA staff members who are directing the contractor to provide input to the products that the contractor is providing. IISGCP through its outreach and needs assessment will be aware of the needs of the community and bring those to U.S. EPA to be included in products that the contractor is producing. For example, WI Dept. of Health had several posters on fish advisories and safety in Lincoln Park (Milwaukee, WI). IISGCP worked with U.S. EPA and their contractor to include those posters in a series of project posters for a community focus group. Those posters were identified as being information from the Dept. of Health, but also showed the level of partnership of the project that went beyond just the cleanup, meeting the needs of the community. Mutual benefit: U.S. EPA and IISGCP end up with a product that has more resonance for the community because it can provide a more holistic view of the issues the community is facing beyond the sediment cleanup. (Position 1 : Environmental Social Scientist - Univ. of Illinois)
- Engaging a wider community including children, students, volunteers, and interested community members in the broad vision. In nearly every AOC, contaminated sediment is a major impediment to delisting. By engaging communities on factors impacting all BUIs (fish, habitat, recreation, access, economic impacts, etc), a larger vision of the area can be developed with a greater understanding of the impacts of the contaminated sediments. For example, the efforts at Ashtabula with school children to grow plants that became part of the restoration will lead to stewards in that community of that area. Engaging local fisherman in qualitative creel studies pre and post cleanup will create stewards for the cleaned up waterway. Benefits to U.S. EPA: more successful long term projects. Benefits to IISG: coastal residents with a broader more comprehensive understanding of their environment. Benefits to both: new environmental stewards. During this project period IISG will develop outreach programming and products needed to engage broad audiences and help communities considering or conducting GLLA projects to make decisions relative to their project. (Position 1: Environmental Social Scientist - Univ. of Illinois)

- Developing IISG/U.S. EPA extension publications and products that communities can use to inform their decisions-(topics might include; risks and benefits of clean up, options for clean up methodologies, risks and benefits of each clean-up technology, economic and aesthetic considerations for projects: facts and lessons learned, what happens after projects are complete, restoration options. Benefits to U.S. EPA: products that they can access and utilize when working with communities who have

concerns about cleanups and the process. Benefits to IISG: providing tools and identifying community needs associated with contaminated sites in their neighborhoods. These tools would reach beyond the AOC boundaries and could be used by IISGCP clientele out of the Great Lakes watershed. (Position 1 : Environmental Social Scientist - Univ. of Illinois)

2. Help AOC communities consider the GLLA program and present them with facts necessary to make a decision as to whether the program is right for their community.

   - Assist in the development of presentations or involvement at events that showcase GLLA projects to inform decision makers and citizens of project outcomes and opportunities for future actions. U.S. EPA will identify a specific audience for materials to be prepared. Benefit to U.S. EPA: AOC's currently not involved in GLLA projects will become informed about the program and may work harder to push for remediation and restoration. Benefit to IISG: a broader audience, but this is mostly of benefit to U.S. EPA. (Position 1: Environmental Social Scientist - Univ. of Illinois)
   - Develop "case studies" for completed GLLA projects that are written for and instructive to a defined audience (such as new communities contemplating GLLA projects) and those supporting GLLA projects. These case studies may be in written form, but may also include video and other media. These case studies will be a joint U.S. EPA/IISGCP product and will be housed on the IISGCP website (some information may also be on the U.S. EPA/restoration website) to be able to include the media approaches most utilized by the GL community. Benefit to U.S. EPA: an up–to-date, well-designed, source of information on GLLA projects that U.S. EPA can direct interested parties to. Benefit to IISGCP and U.S. EPA: a transparent and useful location of information on the role of IISGCP in GLLA and a resource for IISGCP and Great Lakes Sea Grant clients. (Position 1 : Environmental Social Scientist - Univ. of Illinois)

SMART Objectives and Action Plans

1. By 2015, 15 communities in the U.S. EPA Great Lakes Areas of Concern will make informed decisions about GLLA contaminated sediment removal or management practices and will begin to implement selected steps.

   IISGCP will work with GLNPO scientists to develop outreach products and programs designed to help communities assess their risks from contaminated sediments and to weigh management options that address the human health and ecosystem impacts of these contaminants. Facilitation will be provided and programs will be held in partnership with local citizen action groups in Areas of Concern that are considering Great Lakes Legacy Act funding to address sediment removal in their community. Community Action in response to programming will be documented by response to and participation in the Great Lakes Legacy Act Program.(Position 1: Environmental Social Scientist - Univ. of Illinois)

2. By 2015, five non-traditional entities will be making informed decisions about partnering with the U.S. EPA under the Great Lakes Legacy Act to manage contaminated sediment.

   IISGCP will develop case studies to educate potential partners about the possible community benefits of contaminated sediment remediation to help partners effectively compare costs and benefits of participation in funding remediation projects. Our environmental social scientist will provide case studies in a variety of formats to reach out to a diversity of possible partners, including non-traditional partners (e.g., local government and local businesses). (Position 1: Environmental Social Scientist – University of Illinois)

3. By 2015, five communities considering Great Lakes Legacy Act projects and communities with ongoing Legacy projects will be engaged to a wider extent including children, students, and volunteers in creating a broad vision for the AOC.

   IISGCP will work with GLNPO scientists to develop educational programming about complex topics like water ecology and hydrology, sediment contamination, and habitat restoration for children in communities considering Great Lakes Legacy Act projects and communities with ongoing Legacy projects. Our environmental social scientist will develop partnerships with local entities, such as schools, park districts, and environmental groups, to create programs that incorporate the educational needs of the community. (Position 1: Environmental Social Scientist – University of Illinois)

Great Lakes Monitoring: Environmental Problems, Impacts, and Successes
The Great Lakes are a globally important natural resource. They represent approximately twenty percent of the world's fresh surface water and provide habitat for over one hundred species of globally rare plants and animals. Additionally, 42 million people depend on the Great Lakes for their drinking water.

Unfortunately, the ecological integrity of the lakes is significantly stressed. Within the past few decades, chemical and microbial contamination and the introduction of invasive species have led to the decline of native fish and wildlife populations and degradation of water quality and habitats.

Over the next 5 year plan of work, IISGCP will undertake the following extension, outreach, and engagement activities to add benefit to, and achieve impact, with GLNPO monitoring and indicator data (Position 2: Great Lakes Ecosystem Extension Specialist – Purdue University; Position 3 : Community Outreach Specialist – Univ. of Illinois)**:**

1. Add value to the U.S. EPA GLNPO State of the Lakes Ecosystem conference conducted by GLNPO staff and Environment Canada by developing decision making products and publications designed for policy makers and managers that identify indicators in need of improvement and to consider management and policy options that may improve these indicators.

2. Add mutual benefit to monitoring and indicator activities by engaging universities scientists and graduate students in U.S. EPA data usage, indicator development, and in coordinated university/agency research conducted through the GLRRIN process.

3. Assist U.S. EPA GLNPO scientist in turning monitoring, GLRI, P2, SOLEC, or habitat data into information required for decision making and discovery for selected user audiences using efficient electronic technologies.

Smart Objectives and Action Plans

1. By SOLEC 2014, two new SOLEC indicators (Land Use Change and Agricultural Lands) will be developed.

   IISGCP will engage university faculty in the Great Lakes region along with other Great Lakes researchers in developing two new SOLEC indicators: Land Use Change and Agricultural Lands. These indicators will help make assessments of the impact of coastal land and watershed impacts on the both the nearshore and open water of the Great Lakes more comprehensive. Leading land use and agriculture researchers will be convened in workshop settings to identify indicators that are reasonable and feasible and would best allow an assessment of Great Lakes ecosystem health. Scientists will be engaged in subsequent indicator development as funding allows; these researchers will also be invited to become part of the SOLEC process by assessing the indicators every three years for SOLEC reporting.(Position 3 : Community Outreach Specialist – Univ. of Illinois, Position 2 : Great Lakes Ecosystem Extension Specialist – Purdue University)

2. By 2014 Great Lakes legislators and managers will be provided with information they need to use SOLEC data to make decisions that protect and improve Great Lakes human and environmental health

   *IISGCP will work with GLNPO scientists involved in the SOLEC process to develop decision making products and publications designed for policy and management. Results from the SOLEC process will be used to identify environmental risks still impairing the safety of Great Lakes drinking water, swimming, and fish consumption, to legislators and agency managers. Products and publications will help state managers and policy makers identify and evaluate management and policy actions that could improve these indicators. (*Position 2 : Great Lakes Ecosystem Extension Specialist – Purdue University; Position 43: Community Outreach Specialist – Univ. of Illinois)

3. By 2015 data collected through the GLNPO SOLEC, monitoring, GLRI, P2, or habitat programs will be delivered to researchers, planners, and/or habitat managers in a format that helps them make decisions or pursue further discoveries.

   IISGCP specialists will work with GLNPO scientists to deliver data to users through innovative technologies. Specialists will help GLNPO staff seek out university experts that may assist in such endeavors and provide the content expertise required to turn data into

information for the selected target audience. IISGCP can conduct needs assessments of the target audience to inform product development and will serve as the conduit between GLNPO scientists and the product developers to ensure that products developed are useful in meeting client needs and achieving the desired impact. (Position 2 : Great Lakes Ecosystem Extension Specialist – Purdue University; Position 3 : Community Outreach Specialist – Univ. of Illinois)

4. *By* 2015, 5 coastal communities will establish voluntary wetland monitoring programs.

   IISCP specialists will work with coastal communities to establish volunteer monitoring programs at wetland sites that have been chosen by the Great Lakes Coastal Wetlands Consortium (GLCWC). Placing citizen monitoring at these sites will help further the GLCWC's monitoring program by providing monitors who can collect data during the off years when GLCWC staff won't be present. The monitoring data will be used to assess the state of Great Lakes coastal wetlands for SOLEC. The Community Outreach Specialist will work with the GLCWC, U.S. EPA GLNPO staff, and the Marsh Monitoring Program to provide the right resources to educate and prepare the volunteers. (Position 2 : Great Lakes Ecosystem Extension Specialist – Purdue University; Position 3 : Community Outreach Specialist – Univ. of Illinois)

5. By 2015, aquatic literacy of students and adults in the Great Lakes basin will increase. (Position 3 : Community Outreach Specialist – Univ. of Illinois, Position 2 : Great Lakes Ecosystem Extension Specialist – Purdue University)

   Through IISGCP involvement in Great Lakes shipboard to shoreline science experience for teachers program, teachers of grades 4-10 and other adults will be trained to incorporate Great Lakes and oceanography science themes in their curricula and everyday lives.

Pollution Prevention and Toxics Reduction

From time to time, we all have things we no longer want or need—from expired medicines or outdated computer equipment. But how we get rid of stuff impacts the health of the environment. IISGCP has developed a series of toolkits, initiatives, and partnerships to help communities, schools or individuals wisely deal with unwanted medicines, e-waste, trash burning or unwanted aquarium plants and animals. By safely disposing, recycling or donating many unwanted items, people can help protect the Great Lakes ecosystem and drinking water quality.

Furthermore, new, potentially harmful, contaminants are emerging. To address emerging contaminants, there is an effort to find new ways to measure the impacts of suites of contaminants rather than compound by compound. As research findings become available targeted outreach programs will be needed to solicit appropriate behavior changes from Great Lakes residents.

Over the next 5-year plan of work, IISGCP will undertake the following outreach activities to add benefit to GLNPO pollution prevention and toxics reduction activities (IISG communicator, educators, graphic artist, and pollution prevention program specialist)**:**

1. Continue to work with Great Lakes communities who are interested in establishing take-back programs for unwanted medicines and providing them several strategies to undertake a collection program through IISGCP's partnership with the P^2D^2 program, the IL Governor's office, and other programs being offered. We will continue to work closely with those entities that have received GLRI funding for Unwanted Medicines programs to add value and provide support to these programs. Benefit to IISGCP: Expands Sea Grant's role and impact on proper disposal of unwanted medicines. Benefit to GLNPO: Topic identified in GLRI as important to GL Health so outreach will bring a bigger audience to the goals of the GLRI.

2. Continue to work with Great Lakes Communities who are interested in minimizing burn barrel usage in their communities. Benefit to both IISGCP and GLNPO: fewer emissions of toxics.

3. Continue to work with GL small businesses interested in greening the lifecycle of their electronics, finding recycling opportunities, and purchasing green electronics. Benefit to both IISGCP and GLNPO: fewer emissions of toxics.

4. For emerging contaminants of concern, IISGCP will work with GLNPO as appropriate to develop program to inform people and help change behavior. Benefit to GLNPO: a mechanism to educate and inform the public about ongoing EPA efforts. Benefit to IISGCP: a more educated and award Great Lakes consumer who has clear advice on strategies that can be taken to minimize negative impacts.

SMART Objectives/Outreach Objectives and Action Plans

1. By 2015, 10 percent of Great Lakes region residents will be educated about disposal of unwanted medicines.

   IISGCP will continue to undertake outreach and education across the Great Lakes through presentations to the general public and to key stakeholders (medical and hospital conferences, environmental groups, and many others); through interactive games, flyers and giveaways; and through the website

   IISGCP will begin working with veterinarians, vet technicians and professional organizations to provide education and outreach on proper medicine disposal and opportunities to minimize medicine waste. (IISG Pollution Prevention Program Specialist, communicator, and graphic artist)

2. By 2015, the IISGCP unwanted medicine resource kit (www.unwantedmeds.org) will

continue to be recognized as a leading resource for communities in the collection and disposal of unwanted medicine in the Great Lakes basin. It will be distributed and used widely to guide 100s of ongoing and one day collection events.

IISGCP will continue to partner with local communities/state agencies in the eight Great Lakes states to help provide resources to communities to help them begin programs to safely collect and dispose of unwanted medicines.

IISGCP will continue to update and improve the unwanted medicines toolkit as new information, legislation, and approaches to collection are developed. . (IISG Pollution Prevention Program Specialist, communicator, and graphic artist)

3. By 2015, 25,000 small and medium-sized businesses in the Great Lakes basin will be aware of options to green the lifecycle of their computers.

   To date, informational booths promoting ecyclingtools.com for small- to medium-sized businesses have been staffed at two national conferences (Consumer Electronics Show, Las Vegas, NV and GREEN Procurement Exposition & Conference, Chicago, IL). Numerous presentations have been given to promote the tools available to small- and medium-sized businesses to help them adopt green practices to save on energy costs, to purchase computers and peripherals with a smaller environmental impact and with a longer life span.

   IISGCP will partner with Earth911 to promote the ecyclingtools.com web site and resources to be disseminated widely across the Great Lakes basin. . (IISG Pollution Prevention Program Specialist, communicator, and graphic artist)

4. By 2015, the burn barrel resource kit (http://www.iiseagrant.org/learnnot2burn/index.html) will continue to be available to communities and updated yearly.

   Informational booths and/or presentations promoting the resource kit (http://www.iiseagrant.org/learnnot2burn/index.html) have been staffed at conferences and workshops in OH, PA, WI, IL. The resource kit website will be updated as needed to reflect changing regulations, case studies, and new information. Sea Grant staff will respond to communities' requests to provide further information on this topic and support local efforts to educate their community members on issues relating to backyard burning. . (IISG Pollution Prevention Program Specialist, communicator, and graphic artist)

5. By 2014, IISGCP will inform 1500 youth and 200 families about the harmful effects of unwanted medicine and other household chemical products and the importance of properly disposing of these potentially toxic substances.

   IISGCP has developed a 4-H project guide targeted to members in 8-12 grades (junior leader groups). Partners include the 4-H state curriculum coordinators in Illinois and Indiana. 4-Her's will conduct research to find out locally what's going on in their community regarding disposal practices and medicine collections, if any. Kids can brainstorm about

how to get the word out and share the important messages about sensible disposal. Leaders prompt the kids with questions so they can reflect on the possibilities. The guide has been packaged to be accessible and fluid and is organized so leaders can easily teach their members. 4-Her's will gain skills in citizenship, leadership, teamwork, and environmental stewardship.

IISGCP has developed and begun circulating curriculum materials (Medicine Chest) for high school teachers to use in science and social science classes on unwanted medicines disposal. The curriculum materials will be disseminated through workshops with teachers and conferences in 2009-2011. There is interest in the toolkit from other Sea Grant programs and other states. . (IISG Pollution Prevention Program Specialist, educators, communicator, and graphic artist)

Other Extension Specialists and Associate Activities

1. Contribute time and expertise to other IISGCP programs and workshops as available (e.g. Fish School, staffing Sea Grant and NOAA booths at local meetings).

2. As university professional staff/faculty members, the IISGCP staff will continue to contribute to the academic and research mission of the university where they are employed. (Activities may include: co-authoring proposals, participating in research/outreach projects, teaching a portion of a course, giving seminars or guest lectures, attending faculty meetings or retreats).

3. Personal career development and professional service (publishing manuscripts, reviewing articles for journals and proposals for IISGCP and U.S. EPA, serving on scientific society boards and committees, continuing education courses, attending and presenting at conferences and workshops).

Appendix A. Relative distribution of skills and time for IISGCP specialists across GLNPO program and task areas

Duty	Great Lakes Ecosystem Extension Specialist	Community Outreach Specialist	Environmental Social Scientist	Data to Decision Spec. (starts in Yr 2)	TOTAL
Remediation and Habitat Restoration ***Remediation*** AOC communities make informed decisions about sediment removal and participation in GLLA AOC communities make informed decisions about delisting/ put into recovery their AOC beneficial use impairments		0.05	0.95		**1.0**
Habitat Restoration *AOC* - work with communities to look at options for management and restoration volunteer monitoring network		0.15		*.50*	**0.65**
Great Lakes Monitoring: Env. Problems, Impacts, Successes Decisionmaking products for Policy & Management (Monitoring, GLRI, P2, SOLEC, Habitat, GLLA) Audience: legislatures, states Triaxis Data -engage universities to use it Engage universities to develop ag and land use indicators Get guardian data to end users so they can use it / web user interface	1.0	0.80	0.05	*0.50*	**1.35**
Total	**1**	**1**	**1**	*1.0*	**4.0**

Position 4: Environmental Social Scientist
Position open: Draft Position Announcement

Environmental Social Scientist
College of Agricultural, Consumer, and Environmental Sciences (ACES)
University of IL Extension - Illinois Indiana Sea Grant College Program
University of Illinois at Urbana-Champaign (UIUC)

Draft Position Announcement

Position: This is a regular 12 month, 100% time academic professional position working as an outreach specialist through the Illinois-Indiana Sea Grant College Program and located at the U.S. EPA Great Lakes National Program Office (GLNPO) in Chicago, IL. This individual will work closely with GLNPO personnel, faculty and staff from UIUC, Great Lakes Sea Grant Programs, and other federal agencies. Responsibilities of this position will involve occasional travel to the Urbana campus. This position is administratively responsible to the Director, Illinois Indiana Sea Grant College Program.

Responsibilities:

- Under the direction of IL-IN Sea Grant and working with GLNPO, this position is responsible for developing an extension and technology transfer program on Great Lakes contaminant remediation and restoration issues and research.
- Conduct a user needs assessment in local Areas of Concern (AOC's) that are considering or planning to remediate sediment contamination or undertake restoration
- Design and develop local outreach programming based on local conditions and needs. Programming should empower clients to interpret and apply science based contaminant information to local decisions involving sediment removal and clean-up and habitat restoration once remediation is complete.
- Work with GLNPO staff to identify economic and social impacts of sediment remediation and restoration within the Great Lakes Areas of Concern, and provide those outcomes to the GL community.
- Develop cases studies for remediation/restoration projects in designated Areas of Concern that are instructive to other communities considering remediation or restoration and to those administering and supporting such programs.
- Develop educational programs for local communities that could lead to greater support and long term planning and protection of remediation and restoration efforts. This may include developing innovate programs and delivery mechanisms.
- Work with GLNPO, appropriate state agency officials, and communities developing Remediation to Restoration plans to provide communities with the information necessary to work toward delisting their Areas of Concern.
- Emphasize problem-solving assistance and the delivery of science and engineering-based information to Great Lakes stakeholders in general and communities in Great Lakes Areas of Concern (AOC).

- Work with GLNPO staff to develop a communication plan for the Great Lakes Legacy Act, focusing on both overall program coordination and on project-specific communication. Work with scientists and GLNPO and Sea Grant staff to develop products that address these needs.

Other responsibilities include:

- Deliver educational programs that support the local mission of the University of Illinois, specifically in the areas of coastal sediment programs
- As appropriate, participate in applied research and the transfer of research results
- As appropriate, develop financial resources to support programs through grant writing and sponsorships.
- Comply with all University of Illinois Extension Affirmative Action/Equal Opportunity policies and guidelines.
- Perform other duties that contribute to University of Illinois Extension programming as assigned.

Required Qualifications:

- Master's degree (PhD preferred) in social science related to environmental issues, natural resources, science policy, community development, human dimensions of natural resources or closely related field.
- At least 2 years research and/or practical work experience on fresh water contaminant and sediment issues.
- Demonstrated experience coordinating, conducting or developing outreach programs.
- Strong oral, written, and electronic communication skills
- Personal transportation required. Moderate travel is required.

Preferred Qualifications:

- Experience specifically with Sea Grant, Cooperative Extension, and/or related outreach initiatives is highly desirable.
- Ability to work independently, function in interdepartmental and interagency teams, and to work effectively with clients and scientists.
- Ability and experience to lead and facilitate multi-dimensional meetings and collaborative problem solving efforts with community decision-makers, governmental agency personnel, natural resource managers, scientists, special interest groups, and the media.

Application Deadline: Applications should be received by xxxx. The screening and interview process will begin shortly thereafter and will continue until a suitable candidate is found.

Salary: Commensurate with qualifications and experience.

Application: Candidates should submit: letter of application that includes a statement of extension philosophy, college transcripts, and detailed curriculum vitae (including publications, public presentations, and experience in conducting workshops and conferences). Candidate should also arrange for three letters of reference to be sent to: XXXX

Total NOAA Budget (SeaGrant positions + COSEE + Landslide)

	Year 1 (FY1011)	Year 2 (FY 1112)	Year 3 (FY1213)	Year 4 (FY1314)	Year 5 (FY1415)	Total
A. PERSONNEL:	$ 358,550	$ 316,032	$ 345,906	$ 331,226	$ 340,473	$ 1,692,187
			$ -			
B. FRINGE BENEFITS:	$ 135,402	$ 128,903	$ 132,569	$ 127,678	$ 145,230	$ 669,782
			$ -			
C. TOTAL TRAVEL	$ 42,000	$ 53,250	$ 63,712	$ 50,000	$ 50,000	$ 258,962
			$ -			
D. EQUIPMENT:	$ -	$ -	$ -	$ -	$ -	$ -
			$ -			
E. SUPPLIES:	$ 29,000	$ 33,250	$ 30,703	$ 28,000	$ 28,000	$ 148,953
			$ -			
F. PROCURMENT / ASSISTANCE	$ -	$ 170,454	$ -	$ -	$ -	$ 170,454
			$ -			
G. CONSTRUCTION	$ -	$ -	$ -	$ -	$ -	$ -
			$ -			
H. TOTAL OTHER	$ 28,300	$ 57,770	$ 472,069	$ 30,700	$ 30,950	$ 619,789
			$ -			
I. TOTAL DIRECT COST	$ 593,252	$ 751,292	$ 1,044,959	$ 567,604	$ 581,748	$ 3,538,855
			$ -			
J. INDIRECT COST (10%)	$ 59,325	$ 75,129	$ 64,496	$ 56,760	$ 58,175	$ 313,886
			$ -			
K. TOTAL DIRECT + INDIRECT	$ 652,578	$ 826,421	$ 1,109,456	$ 624,364	$ 639,923	$ 3,852,742

Position Title: Pollution Prevention and Science Policy Specalist
GLNPO Sponsor: Ted Smith (P2) HTX GLRI Template 148
Position 1

	Year 1 (FY1011)	Year 2 (FY 1112)	Year 3 (FY1213)	Year 4 (FY1314)	Year 5 (FY1415)	Total
A. PERSONNEL:	$138,550	$76,932	$78,850	$80,825	$82,860	**$458,017**
B. FRINGE BENEFITS:	$48,246	$26,317	$26,999	$27,702	$29,490	**$158,754**
C. TOTAL TRAVEL	$22,000	$22,000	$24,000	$25,000	$25,000	**$118,000**
D. EQUIPMENT:	$0	$0	$0	$0	$0	**$0**
E. SUPPLIES:	$7,000	$5,000	$6,000	$6,000	$6,000	**$30,000**
F. PROCURMENT / ASSISTANCE						
G. CONSTRUCTION	$0	$0	$0	$0	$0	**$0**
H. TOTAL OTHER	$9,200	$11,300	$11,500	$11,600	$11,850	**$55,450**
I. TOTAL DIRECT COST	$224,996	$141,549	$147,349	$151,127	$155,200	**$820,221**
J. INDIRECT COST (10%)	$22,500	$14,155	$14,735	$15,113	$15,520	**$82,022**
K. TOTAL DIRECT + INDIRECT	**$247,496**	**$155,704**	**$162,084**	**$166,240**	**$170,720**	**$902,244**

	Position Title: Needs Assessment & Evaluation Specalist GLNPO Sponsor: Paul Horvatin (MIRB) HMX GLRI Template 183 Position 2					
	Year 1 (FY1011)	Year 2 (FY 1112)	Year 3 (FY1213)	Year 4 (FY1314)	Year 5 (FY1415)	**Total**
A. PERSONNEL:	$75,000	$77,250	$79,567	$81,954	$84,413	**$398,184**
B. FRINGE BENEFITS:	$26,693	$27,493	$28,318	$29,167	$30,043	**$141,714**
C. TOTAL TRAVEL	$8,000	$8,000	$8,000	$8,000	$8,000	**$40,000**
D. EQUIPMENT:						
E. SUPPLIES:	$8,000	$8,000	$8,000	$8,000	$8,000	$40,000
F. PROCURMENT / ASSISTANCE						
G. CONSTRUCTION						
H. TOTAL OTHER	$2,700	$2,700	$2,700	$2,700	$2,700	**$13,500**
I. TOTAL DIRECT COST	$120,393	$123,443	$126,585	$129,821	$133,156	**$633,398**
J. INDIRECT COST (10%)	$12,039	$12,344	$12,659	$12,982	$13,316	**$63,340**
K. TOTAL DIRECT + INDIRECT	**$132,432**	**$135,788**	**$139,243**	**$142,804**	**$146,471**	**$696,737**

Position Title: Great Lakes Community Decision Making Specalist
GLNPO Sponsor: Marc Tuchman (Legacy Act) HRX Template
Position 3

	Year 1 (FY1011)	Year 2 (FY 1112)	Year 3 (FY1213)	Year 4 (FY1314)	Year 5 (FY1415)	**Total**
A. PERSONNEL:	$70,000	$72,100	$74,263	$76,492	$78,787	**$371,642**
B. FRINGE BENEFITS:	$24,913	$25,660	$26,430	$27,223	$28,040	**$132,266**
C. TOTAL TRAVEL	$6,000	$7,000	$7,000	$7,000	$7,000	**$34,000**
D. EQUIPMENT:	$0	$0	$0	$0		**$0**
E. SUPPLIES:	$8,000	$8,000	$8,000	$8,000	$8,000	$40,000
F. PROCURMENT / ASSISTANCE						
G. CONSTRUCTION						
H. TOTAL OTHER	$8,200	$8,200	$8,200	$8,200	$8,200	**$41,000**
I. TOTAL DIRECT COST	$117,113	$120,960	$123,893	$126,915	$130,027	**$618,908**
J. INDIRECT COST (10%)	$11,711	$12,096	$12,389	$12,692	$13,003	**$61,891**
K. TOTAL DIRECT + INDIRECT	**$128,824**	**$133,056**	**$136,283**	**$139,607**	**$143,030**	$680,800

	Position Title: Great Lakes Ecosystem Extension Specalist GLNPO Sponsor: Paul Horvatin (MIRB) HMX GLRI Template 183 Position 4					
	Year 1 (FY1011)	Year 2 (FY 1112)	Year 3 (FY1213)	Year 4 (FY1314)	Year 5 (FY1415)	**Total**
A. PERSONNEL:	$75,000	$77,250	$89,568	$91,955	$94,413	**$428,186**
B. FRINGE BENEFITS:	$35,550	$36,617	$42,455	$43,586	$44,752	**$202,960**
C. TOTAL TRAVEL	$6,000	$10,000	$10,000	$10,000	$10,000	**$46,000**
D. EQUIPMENT:						**$0**
E. SUPPLIES:	$6,000	$6,000	$6,000	$6,000	$6,000	$30,000
F. PROCURMENT / ASSISTANCE						
G. CONSTRUCTION						
H. TOTAL OTHER	$8,200	$8,200	$8,200	$8,200	$8,200	**$41,000**
I. TOTAL DIRECT COST	$130,750	$138,067	$156,223	$159,741	$163,365	**$748,146**
J. INDIRECT COST (10%)	$13,075	$13,807	$15,622	$15,974	$16,336	**$74,814**
K. TOTAL DIRECT + INDIRECT	**$143,825**	**$151,873**	**$171,845**	**$175,715**	**$179,701**	**$822,959**

	All Positions Total					
	Year 1 (FY1011)	Year 2 (FY 1112)	Year 3 (FY1213)	Year 4 (FY1314)	Year 5 (FY1415)	**Total**
A. PERSONNEL:	$358,550	$303,532	$322,248	$331,226	$340,473	$1,656,029
B. FRINGE BENEFITS:	$135,402	$116,087	$124,202	$127,678	$132,325	$635,694
C. TOTAL TRAVEL	$42,000	$47,000	$49,000	$50,000	$50,000	$238,000
D. EQUIPMENT:	$0	$0	$0	$0	$0	$0
E. SUPPLIES:	$29,000	$27,000	$28,000	$28,000	$28,000	$140,000
F. PROCURMENT / ASSISTANCE	$0	$0	$0	$0	$0	$0
G. CONSTRUCTION	$0	$0	$0	$0	$0	$0
H. TOTAL OTHER	$28,300	$30,400	$30,600	$30,700	$30,950	$150,950
I. TOTAL DIRECT COST	$593,252	$524,019	$554,050	$567,604	$581,748	$2,820,673
J. INDIRECT COST (10%)	$59,325	$52,402	$55,405	$56,760	$58,175	$282,068
K. TOTAL DIRECT + INDIRECT	**$652,578**	**$576,421**	**$609,456**	**$624,364**	**$639,923**	**$3,102,742**

Positions 2 & 4

GLNPO Sponsor: Paul Horvatin (MIRB) HMX GLRI Template 183

	Year 1 (FY1011)	Year 2 (FY 1112)	Year 3 (FY1213)	Year 4 (FY1314)	Year 5 (FY1415)	Total
A. PERSONNEL:	$ 150,000.00	$ 154,500.00	$169,135	$ 173,909.00	$ 178,826.00	**$ 826,370.00**
			$0			
B. FRINGE BENEFITS:	$ 62,243.00	$ 64,110.00	$70,773	$ 72,753.00	$ 74,795.00	**$ 344,674.00**
			$0			
C. TOTAL TRAVEL	$ 14,000.00	$ 18,000.00	$18,000	$ 18,000.00	$ 18,000.00	**$ 86,000.00**
	$ -		$0			
D. EQUIPMENT:	$ -	$ -	$0	$ -	$ -	**$ -**
	$ -		$0			
E. SUPPLIES:	$ 14,000.00	$ 14,000.00	$14,000	$ 14,000.00	$ 14,000.00	$ 70,000.00
			$0			
F. PROCURMENT / ASSISTANCE			$0			
			$0			
G. CONSTRUCTION			$0			
			$0			
H. TOTAL OTHER	$ 10,900.00	$ 10,900.00	$10,900	$ 10,900.00	$ 10,900.00	**$ 54,500.00**
			$0			
I. TOTAL DIRECT COST	$ 251,143.00	$ 261,510.00	$282,808	$ 289,562.00	$ 296,521.00	$ 1,381,544.00
J. INDIRECT COST (10%)	$ 25,114.30	$ 26,151.00	$ 28,280.80	$ 28,956.20	$ 29,652.10	$ 138,154.40
K. TOTAL DIRECT + INDIRECT	**$ 276,257.30**	**$ 287,661.00**	**$ 311,088.80**	**$ 318,518.20**	**$ 326,173.10**	**$ 1,519,698.40**

COSEE

GLNPO Sponsor: Paul Horvatin (MIRB) HSX GLRI Template 319

	Year 1	Year 2	Year 3	Year 4	Year 5		Total
A. PERSONNEL:	$ -	$ 12,500.00	$ -	$ -	$ -	$	**12,500.00**
						$	-
B. FRINGE BENEFITS:	$ -	$ 4,449.00	$ -	$ -	$ -	$	**4,449.00**
						$	-
C. TOTAL TRAVEL	$ -	$ 6,250.00	$ -	$ -	$ -	$	**6,250.00**
						$	-
D. EQUIPMENT:	$ -	$ -	$ -	$ -	$ -	$	-
						$	-
E. SUPPLIES:	$ -	$ 6,250.00	$ -	$ -	$ -	$	**6,250.00**
						$	-
F. PROCURMENT / ASSISTANCE		$ 170,454.00				$	**170,454.00**
						$	-
G. CONSTRUCTION						$	-
						$	-
H. TOTAL OTHER	$ -	$ 27,370.00	$ -	$ -	$ -	$	**27,370.00**
						$	-
I. TOTAL DIRECT COST	$ -	$ 227,273.00	$ -	$ -	$ -	$	**227,273.00**
						$	-
J. INDIRECT COST (10%)	$ -	$ 22,727.30	$ -	$ -	$ -	$	**22,727.30**
	$ -					$	-
K. TOTAL DIRECT + INDIRECT	**$ -**	**$ 250,000.30**	**$ -**	**$ -**	**$ -**	$	**250,000.30**

Landslide

GLNPO Sponsor: Paul Horvatin (MIRB) HSX GLRI Template 319

Illinois Indiana Sea Grant

	Year 1	Year 2	Year 3	Year 4	Year 5	Total
A. PERSONNEL:						$ -
						$ -
B. FRINGE BENEFITS:						$ -
						$ -
C. TOTAL TRAVEL						$ -
						$ -
D. EQUIPMENT:						$ -
						$ -
E. SUPPLIES:						$ -
						$ -
F. PROCURMENT / ASSISTANCE						$ -
						$ -
G. CONSTRUCTION						$ -
						$ -
H. TOTAL OTHER						$ -
						$ -
I. TOTAL DIRECT COST						$ -
						$ -
J. INDIRECT COST (10%)						$ -
						$ -
K. TOTAL DIRECT + INDIRECT			$ -	$ -	$ -	$ -

3	75
1	20
1	20
	115

Landslide

GLNPO Sponsor: Paul Horvatin (MIRB) HSX GLRI Template 319

Pennsylvania Sea Grant / PSU

	Year 1	Year 2			Total
A. PERSONNEL:					$ -
					$ -
B. FRINGE BENEFITS:					$ -
					$ -
C. TOTAL TRAVEL					$ -
					$ -
D. EQUIPMENT:					$ -
					$ -
E. SUPPLIES:					$ -
					$ -
F. PROCURMENT / ASSISTANCE					$ -
					$ -
G. CONSTRUCTION					$ -
					$ -
H. TOTAL OTHER					$ -
					$ -
I. TOTAL DIRECT COST					$ -
					$ -
J. INDIRECT COST (19.80%)					$ -
					$ -
K. TOTAL DIRECT + INDIRECT	$ -	$ -	$ -	$ -	

Landslide

GLNPO Sponsor: Paul Horvatin (MIRB) HSX GLRI Template 319

Michigan Sea Grant College Program

	Year 1	Year 2	Year 3	Year 4	Year 5	Total
A. PERSONNEL:						$ -
						$ -
B. FRINGE BENEFITS:						$ -
						$ -
C. TOTAL TRAVEL						$ -
						$ -
D. EQUIPMENT:						$ -
						$ -
E. SUPPLIES:						$ -
						$ -
F. PROCURMENT / ASSISTANCE						$ -
						$ -
G. CONSTRUCTION						$ -
						$ -
H. TOTAL OTHER						$ -
						$ -
I. TOTAL DIRECT COST						$ -
						$ -
J. INDIRECT COST (10.0%)						$ -
						$ -
K. TOTAL DIRECT + INDIRECT			$ -	$ -	$ -	$ -

Landslide

GLNPO Sponsor: Paul Horvatin (MIRB) HSX GLRI Template 319

New York Sea Grant

	Year 1	Year 2	Year 3	Year 4	Year 5	Total
A. PERSONNEL:						$ -
B. FRINGE BENEFITS:						$ -
						$ -
C. TOTAL TRAVEL						$ -
						$ -
D. EQUIPMENT:						$ -
						$ -
E. SUPPLIES:						$ -
						$ -
F. PROCURMENT / ASSISTANCE						$ -
						$ -
G. CONSTRUCTION						$ -
						$ -
H. TOTAL OTHER						$ -
						$ -
I. TOTAL DIRECT COST						$ -
						$ -
J. INDIRECT COST (10.0%)						$ -
						$ -
K. TOTAL DIRECT + INDIRECT			$ -	$ -	$ -	$ -

Landslide

GLNPO Sponsor: Paul Horvatin (MIRB) HSX GLRI Template 319

Minnesota Sea Grant

	Year 1	Year 2	Year 3	Year 4	Year 5	Total
A. PERSONNEL:						$ -
						$ -
B. FRINGE BENEFITS:						$ -
						$ -
C. TOTAL TRAVEL						$ -
						$ -
D. EQUIPMENT:						$ -
						$ -
E. SUPPLIES:						$ -
						$ -
F. PROCURMENT / ASSISTANCE						$ -
						$ -
G. CONSTRUCTION						$ -
						$ -
H. TOTAL OTHER						$ -
						$ -
I. TOTAL DIRECT COST						$ -
						$ -
J. INDIRECT COST (10.0%)						$ -
						$ -
K. TOTAL DIRECT + INDIRECT			$ -	$ -	$ -	$ -

Landslide

GLNPO Sponsor: Paul Horvatin (MIRB) HSX GLRI Template 319

Total Landslide Budget

	Year 1	Year 2	Year 3 EPA	Year 3 In kind	Year 4	Year 5
A. PERSONNEL:			$ 23,658.00	$ 10,560.00		
B. FRINGE BENEFITS:			$ 8,367.00	$ 4,538.00		
C. TOTAL TRAVEL			$ 14,712.00			
D. EQUIPMENT:			$ -			
E. SUPPLIES:			$ 2,703.00			
F. PROCURMENT / ASSISTANCE						
G. CONSTRUCTION						
H. TOTAL OTHER			$ 441,469.00			
I. TOTAL DIRECT COST			$ 490,909.00	$ 15,098.00		
J. INDIRECT COST (10.0%)			$ 9,091.00	$ 1,510.00		
K. TOTAL DIRECT + INDIRECT			**$ 500,000.00**	**$ 16,608.00**		

Total
$ 34,218.00
$ -
$ 12,905.00
$ -
$ 14,712.00
$ -
$ -
$ -
$ 2,703.00
$ -
$ -
$ -
$ -
$ -
$ 441,469.00
$ -
$ 506,007.00
$ -
$ 10,601.00
$ -
$ 516,608.00

Month	Amount	Notification Date
Feburary	$64,233.08	2/23/12 email from Jen Fackler